

Immune System

The immune system is a network of cells, tissues and organs that defend the body against harmful toxins and microorganisms.

1. red bone marrow: *spongy tissue of the bone that produces cells of the immune system including lymphocytes and macrophages. Lymphocytes recognize antigens (harmful foreign bodies), and macrophages engulf and destroy antigens.*

2. lymphatic system: *network of lymph nodes and lymph vessels that store and transport disease-fighting immune cells.*

3. thymus: *organ of the immune system that produces a special kind of white blood cell called T-lymphocytes or T-cells. T-cells detect and destroy infected cells in the body.*

4. spleen: *lymphoid organ that contains disease-fighting white blood cells and filters the blood by destroying old blood cells and removing small particles.*

5. pharyngeal tonsils (adenoids): *lymphoid tissue located at the back of the nasal cavity thought to be the first line of defense against inhaled pathogens (harmful microorganisms).*

6. palatine tonsils: *lymphoid tissue located at the back of the throat thought to be the first line of defense against inhaled pathogens (harmful microorganisms).*

